

What is claimed is:

1. A method of manufacturing a solid electrolytic capacitor, said method comprising the steps of:

forming a solid electrolytic capacitor element;

applying a pre-coat resin to a portion of capacitor terminals;

connecting the capacitor terminals to the capacitor element; and

encapsulating the capacitor element and a portion of the capacitor terminals with a protective resin;

wherein said pre-coat resin is substantially rigid at ambient temperatures and flexible at elevated temperatures.

2. A method of manufacturing a solid electrolytic capacitor according to claim 1 further comprising the step of selecting the pre-coat resin from thermally curable liquid epoxy resins containing lactone.

3. A method of manufacturing a solid electrolytic capacitor according to claim 11, wherein said pre-coat resin applying step is performed using a wiper to apply the pre-coat resin onto the portion of the capacitor terminals.

4. A method of manufacturing a solid electrolytic capacitor according to claim 11, wherein said pre-coat resin applying step is performed using a brush to apply the pre-coat resin onto the portion of the capacitor terminals.

5. A method of manufacturing a solid electrolytic capacitor according to claim 11, wherein said pre-coat resin applying step is performed using a counter-rotating wheel assembly to apply the pre-coat resin onto the portion of the capacitor terminals.

6. A method of manufacturing a solid electrolytic capacitor according to claim 11, wherein said pre-coat resin applying step is performed by spraying the pre-coat resin onto the portion of the capacitor terminals.